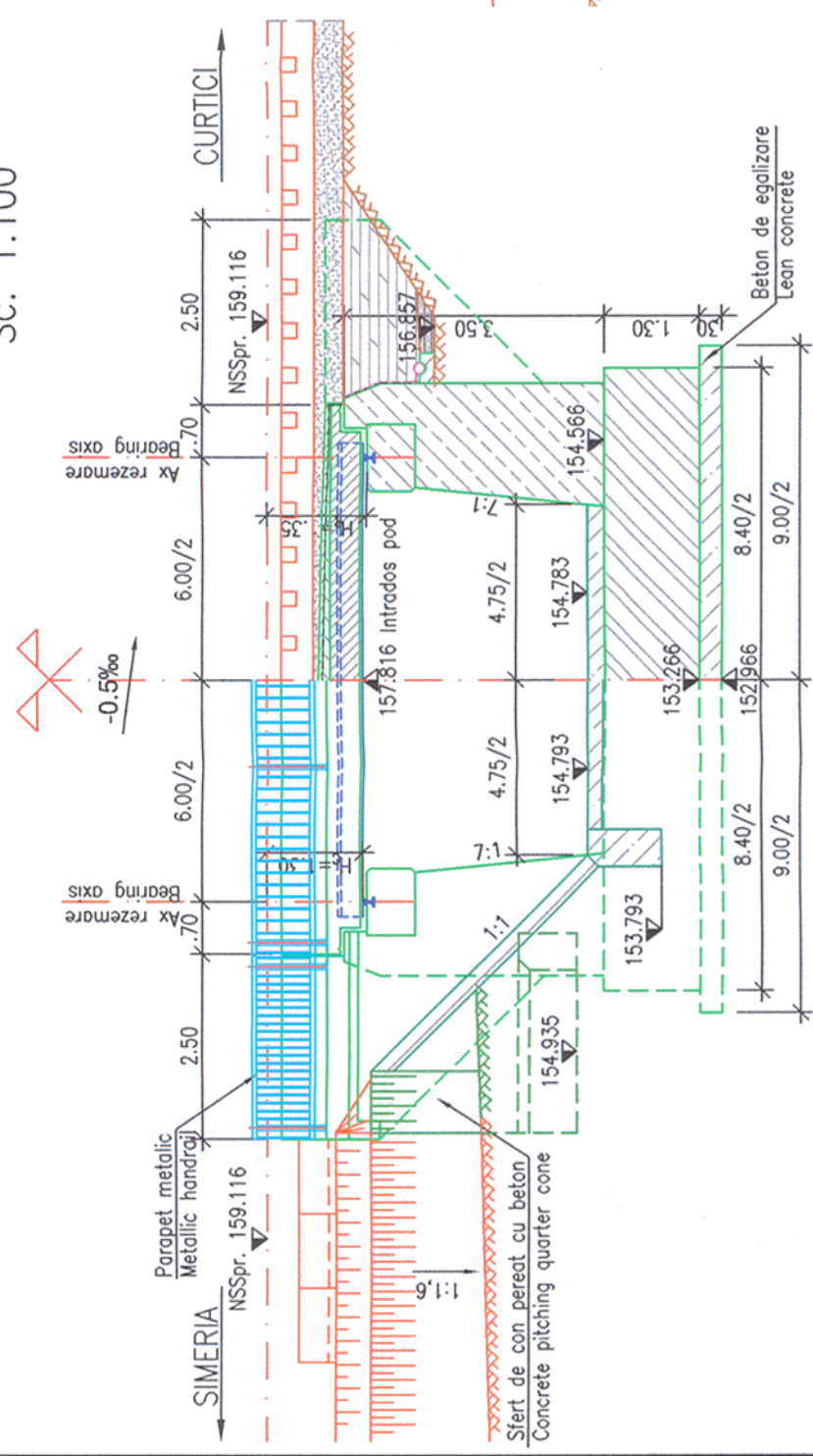
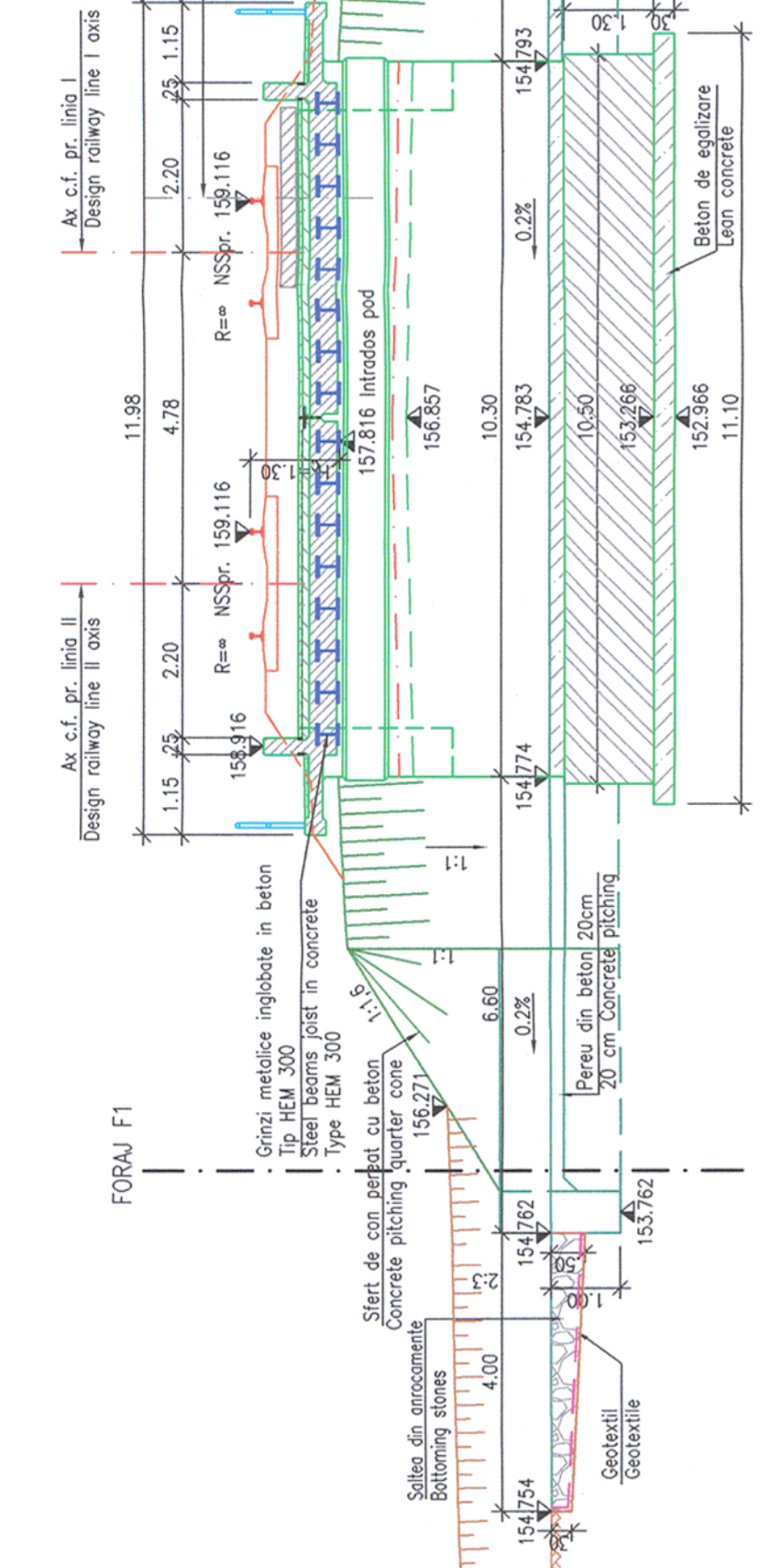


ELEVATIE/ELEVATION
SC. 1:100



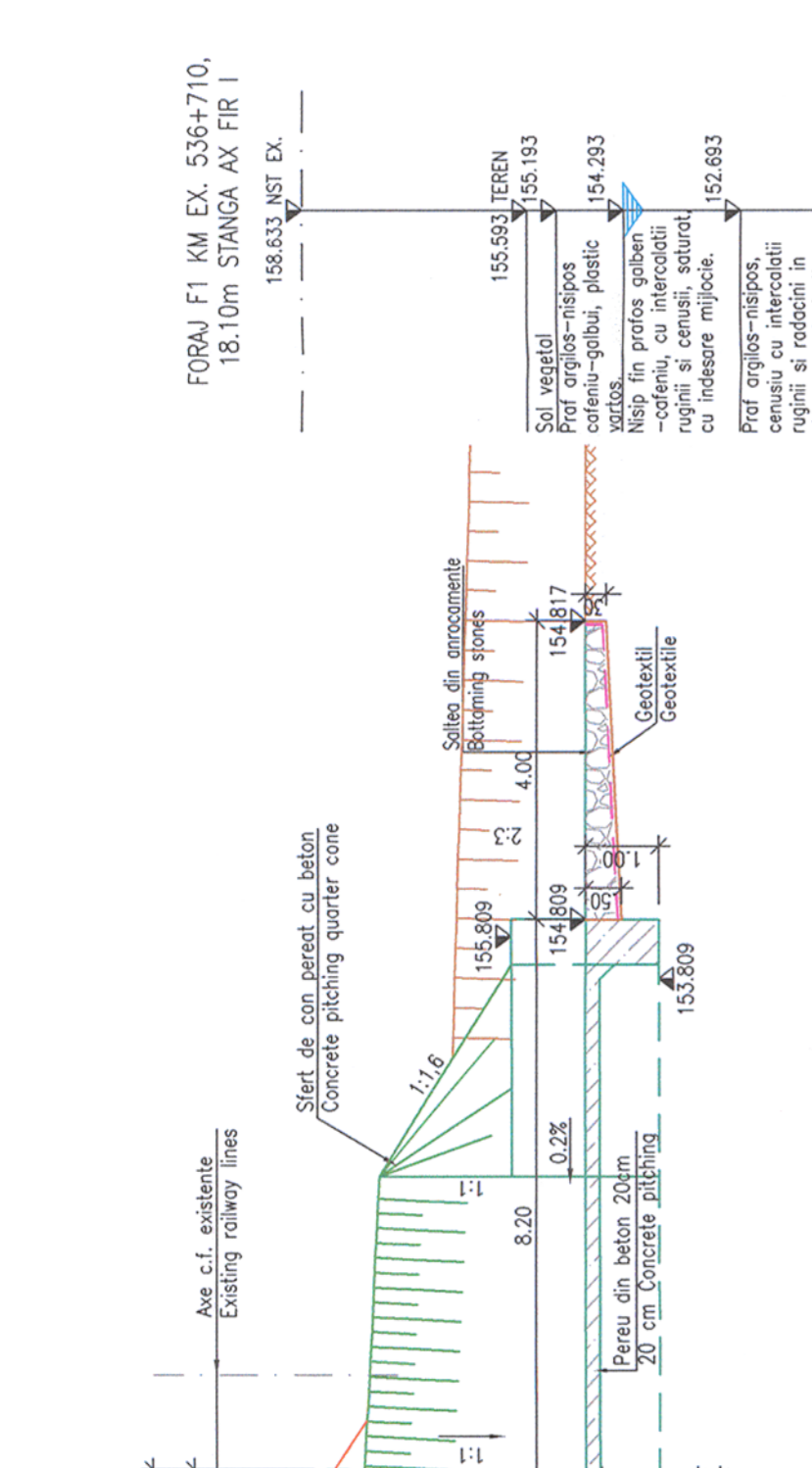
SECTIUNE LONGITUDINALA
LONGITUDINAL SECTION
SC. 1:100



SECTIUNE TRANSVERSALA/CROSS SECTION
SC. 1:100

LEGENDA BETOANELOR/CONCRETE LEGEND
conform NE 012-1:2007/SR EN 206-1

- BETON C30/37 - Clasa de expunere XC3+XF1, agregate D_{max} 22
- DALA DE BETON/CONCRETE SLAB
- BETON C25/30 - Beton cu caldura de hidratare limitata, clasa de expunere XC2+XF3+XA1, agregate D_{max} 22
- FUNDATIILE DIRECTE/DIRECT FOUNDATIONS
- BETON C25/30 - Clasa de expunere XC4+XF3, agregate D_{max} 22
- ELEWATA INFRASTRUCTURII/INFRASTRUCTURE ELEVATION
- BETON C25/30 - Clasa de expunere XC4+XF1+XM1, agregate D_{max} 16
- SAPA DE PROTECTIE A HIDROZOLATIEI SI PREDALE
- WATERPROOFING PROTECTION AND PRESLABS
- BETON C25/30 - Clasa de expunere XC4+XF3+XA1, agregate D_{max} 22
- SCARA DE ACCES SIBALUSTRADA METALICA
- ACCESS STAIRS AND METALLIC BALUSTRADE
- FUNDATIE PREFABRICATA PENTRU PODURI PROVIZORII
- PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES
- PARAPET METALIC PODURI PE BETON
- METALLIC HANDRAIL FOR BRIDGES ON CONCRETE



FORAJ F1 KM EX 53,6+710, 18,10m STANGA AX FIR I

158,833 NST EX.

155,593 TEREN

154,935

154,817

154,793

153,809

152,893

Sol vestit

Prat argilios-nisipos

174,293

154,817

153,809

152,893

Prat argilios-nisipos, nisip fin prafoz galben -cateni, cu intercalatii rugini si cenusa, saturat cu lianasa mijocie.

Prat argilios-nisipos, nisip cu intercalatii sari de patareala, plastic curgator.

FORAJ F1 KM EX 53,6+710, 18,10m STANGA AX FIR I

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Prat argilios-nisipos, nisip cu intercalatii sari de patareala, plastic curgator.

PLANURI DETALII GENERALE / GENERAL DRAWING DETAILS

HIDROZOLATIE SI ACOPERIR DE ROST
WATERPROOFING AND EXPANSION JOINT

SISTEM DE DRENARE PODURI
BRIDGE DRAINAGE SYSTEM

ELEMENT PREFABRICAT TIP L
ELEMENT PREFABRICATED TYPE L

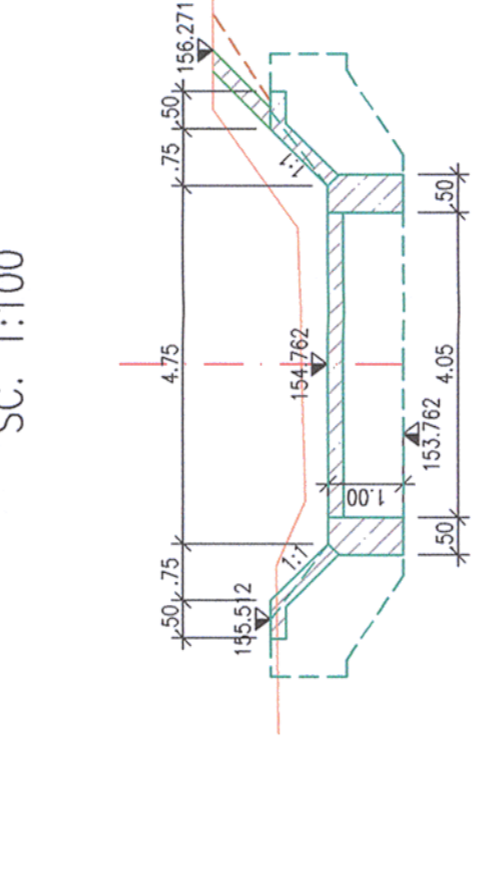
PREFABRICATED ELEMENT TYPE L

SCARA DE ACCES SIBALUSTRADA METALICA
ACCESS STAIRS AND METALLIC BALUSTRADE

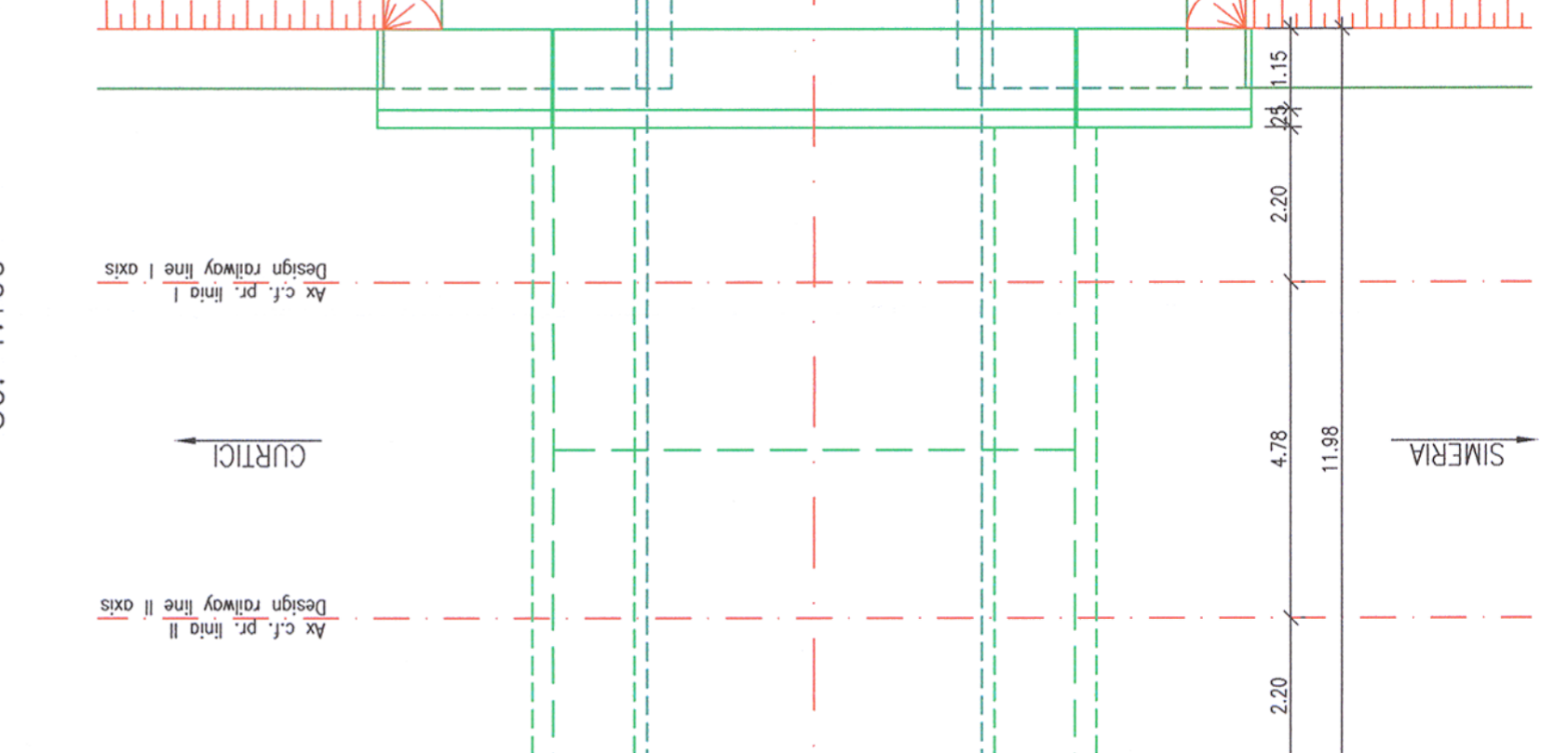
FUNDATIE PREFABRICATA PENTRU PODURI PROVIZORII
PREFABRICATED FOUNDATION FOR TEMPORARY BRIDGES

PARAPET METALIC PODURI PE BETON
METALLIC HANDRAIL FOR BRIDGES ON CONCRETE

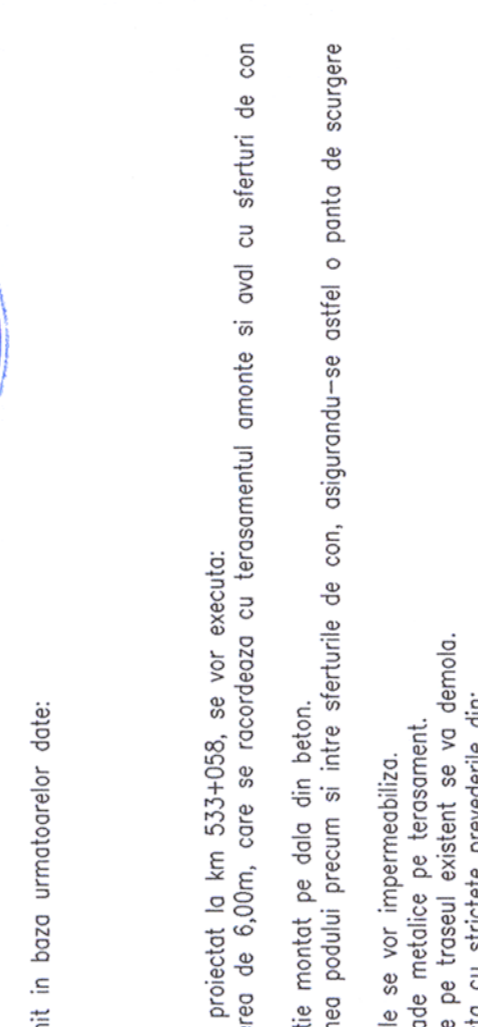
PROFIL AVAL / DOWNSTREAM PROFIL
SC. 1:100



VEDERE PLANA / PLAN VIEW
SC. 1:100



PROFIL AMONTE / UPSTREAM PROFIL
SC. 1:100



Verificator / Expert Checker / Expert	Cerinta Requirement	Semnatura Signature	Referat / Expertiza Report / Expertise
European Investment Bank	MINISTERUL TRANSPORTURILOR	COMPANIA NATIONALA DE CAI FERATE "CFR" SA	
PROIECTANT / DESIGNER:	PÖYRY		
Aprobat / Approved	Sef de echipa / Team leader	C. Teodorescu	01.2013
Verificat / Checked	Expert Cheile / Key Expert	R. Tudorascu	01.2013
	Subcontractant / Subcontractor	MIOTOP	
	Aprobat / Approved	Adjunct Sef de echipa / Deputy Team leader	A.M. Baicu
	Proiectat / Designed	Inginer / Engineer	T. Mihaili
	Reabilitarea liniei e.f. Frontiera - Curtici - Simeria, parte componenta a coridorului IV Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h		Project g/ 35317.1
	Reabilitarea liniei Pan - European pentru circulația trenurilor cu viteză maximă de 160 km/h		Faza / Phase: PTH+CS / TD+TS
Denumire desen / Drawing name: DISPOZITIE GENERALA / GENERAL LAYOUT POD / BRIDGE KM pr. 533+058 (KM ex. 536+717)			
Scara / Scale	Revizua / Revision	Cod desen / Drawing Code	Nr / No
1:100	1 / 04.2013	PT.02.02.16.PO.04.03	03

Prezentul plan anuleaza si inlocuieste versiunea anterioara
This plan cancels and replaces previous version

NOTE:

1. Prezentul plan e-a intocmit in baza urmatoarelor date:
 - cartea tehnica;
 - studiu topografic;
 - studiu geologic;
 - studiu hidrolic;
2. Pe traseul de cale ferata proiectat la km 533+058, se vor executa:
 - pod tip DCM1 cu deschiderea de 6,00m, care se racordeaza cu terasamentul amonte si oval cu sferinturi de con perate cu beton.
 - parapet metalic de protectie montat pe dala din beton.
 - peruu din beton pe lungimea podului precum si intre sferinturile de con, asigurandu-se astfel o panta de scurgere de 0,2%.
 - suprafețele de beton vizibile se vor impermeabiliza.
 - scori de acces cu balustrade metalice pe terasament.
 - podului datat de 4,00m de pe traseul existent se va demola.
3. La executie se vor respecta cu strictete prevederile din:
 - Codul de practica pentru executarea lucrarilor din beton, beton armat si beton precomprimat, indicativ NE 012;
 - Codul de practica pentru executarea elementelor prefabricate din beton, beton armat si beton precomprimat, indicativ NE 013;
 - Normativul pentru verificarea calitatii si receptia lucrarilor de constructii de beton, indicativ C56-85 (C56-2002)
 - Catielul de saracini.
 - Conform HG. 766/1997 lucrarea se incadreaza in categoria "B" a constructiilor de importanta desabita.
4. Proiectul va fi verificat de verificatori desemnati MPPI la exigentele A,4, B,2 si D,2.

NOTE:

1. This plan was prepared based on the next data:
 - technical expertise;
 - topo survey;
 - geo-technical study;
 - hydraulic study;
 - dates on site.
2. On the designed railway route at km 533+058, there will be executed:
 - bridge type DCM1 with 6,00m span, which will be connected upstream and downstream with concrete pitching quarter cone.
 - metallic handrail mounted on the bridge superstructure.
 - in the bridge area, as well as between the quarter cones, a concrete pitching will be executed thus ensuring a discharge slope of 0,2%.
 - the visible concrete areas will be waterproofed.
 - access steps with metallic handrails are provided on the embankment.
 - the culvert type slab with 4,00m clearance, on the existing railway route will be demolished
3. During execution there will be strictly observed the provisions of:
 - Practice code concerning the execution of concrete, r.c. and pre-stressed concrete elements, indicative NE 012
 - Practice code concerning the execution of concrete, r.c. and pre-stressed concrete elements, indicative NE 013
 - Practice code concerning the quality check and taking-over of ancient construction work, indicative C56-85 (C56-2002)
 - Technical Specifications.
4. Complying with HG. 766/1997 this structure belongs to category "B" of importance.
5. The project will be verified at A,4, B,2 and D,2 requirements.

OBSERVATIE: Pe toate suprafețele din beton in contact cu pamantul se vor aplica 2 straturi de emulsie din bitum fierarizat.

ATTENTION: All concrete surfaces in contact with soil will be coated with 2 bituminous layers.

CONVOI DE CALCUL LM71
LOAD MODEL LM71

VERIFICATOR
KACHELL I. IONUT RADU
ROMANIA
Nr. 0720
VERIFICATOR PROIECTE

VERIFICATOR
CHIRICA C. ANTON
ROMANIA
M.P.P.A.T.
Nr. 1107
VERIFICATOR PROIECTE



MINISTERUL TRANSPORTURILOR

BENEFICIAR / BENEFICIARY :